

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Ludmilla BARANOVA, et al.

Serial No.: 09/076,956

Group Art Unit: 1623

Filed: May 13, 1988

Examiner: L. Crane

Title: PROCESS FOR THE SYNTHESIS OF NUCLEIC ACIDS ON A SOLID SUPPORT
AND COMPOUNDS WHICH ARE USEFUL IN PARTICULAR AS SOLID
SUPPORTS IN THE SAID PROCESS

TRANSMITTAL

Assistant Commissioner of Patents
Washington, D.C. 20231

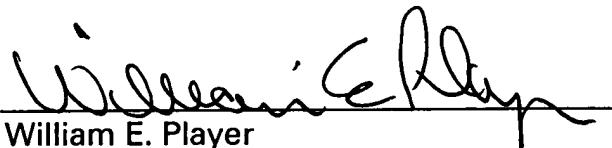
Sir:

Transmitted herewith, in the above-identified application, is an **amendment** (preliminary) and **information disclosure statement** (supplemental), including Form PTO 1449 and cited references.

X If a Petition for Extension of Time is necessary and the Petition and/or the check is not enclosed, this will act as the Petition and applicant herewith petitions the Commissioner to extend the time for response and charge any fees necessary under 37 CFR 1.17 (a)-(d) to Deposit Account No. 06-1358. The Commissioner is also authorized to charge payment of any other additional fees associated with this communication or credit any overpayment to Deposit Account No. 06-1358. A duplicate of this paper is attached.

Respectfully submitted,

By:


William E. Player
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Atty. Docket: P60188US1
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MATRIX CUSTOMER
SERVICE CENTER

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AND COMPOUNDS WHICH ARE USEFUL IN PARTICULAR AS SOLID SUPPORTS
IN THE SAID PROCESS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
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Sir:

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SERVICE CENTER

In accordance with the duty of disclosure, submitted herewith is the
information listed on the attached Form PTO-1449.

This supplemental information disclosure statement is being filed within
three months of the application filing date. Therefore, no fee is required.

In this supplemental information disclosure statement, applicants wish to
introduce two additional references for consideration by the examiner. The
references are PCT publication WO 92/06103, in the name of Imperial Chemical
Industries PLC, and PCT publication WO 93/20091, in the name of Zeneca Limited.

The relevance of each document is provided below.

WO 92/06103

This document generally relates, in its first aspect, to a method for the synthesis of oligonucleotides in which a cleavable linker moiety is attached to a first oligonucleotide after synthesis of the latter, followed by the synthesis of a second oligonucleotide on the linker moiety. According to a second aspect of WO 92/06103, solid supports suitable for use in automated oligonucleotide synthesis are described, the general structures of which are provided at page 24 under formulae VIII and IX.

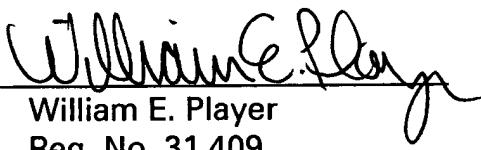
WO 93/20091

This document concerns a support carrying a homocyclic or heterocyclic ring suitable for use in oligonucleotide synthesis. Typical structures of such supports are shown in figures 1a and 1b as well as in the examples, particularly at page 18, line 15.

Respectfully submitted,

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